

SEQUENCE LISTING

<110> Schnorr, Kirk Matthew
Landvik, Sara

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<170> PatentIn version 3.2

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96

gaa tgg gtg acg atc cgt gag acg acg aac cac tac tcg cac ggg ccg
Glu Trp Val Thr Ile Arg Glu Thr Thr Asn His Tyr Ser His Gly Pro
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144

gtc acc gac gtc acg tcg gac cag atc cgc tgc tac gag ctc aac ccg
Val Thr Asp Val Thr Ser Asp Gln Ile Arg Cys Tyr Glu Leu Asn Pro
35 40 45

192

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240

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288

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336

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Thr Gly Asn Val Trp Phe Lys Ile Tyr Glu Asp Gly Pro Ser Gly Leu			
100	105	110	
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Gly Thr Ser Asn Ile Thr Trp Pro Ser Ser Gly Lys Thr Glu Val Ser			
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Val Lys Ile Pro Ser Cys Ile Ala Pro Gly Asp Tyr Leu Leu Arg Val			
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gag cac atc gcg ctg cac agc gcc agc acc gtc ggc ggc gcc cag ttc			528
Glu His Ile Ala Leu His Ser Ala Ser Thr Val Gly Gly Ala Gln Phe			
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Tyr Leu Ala Cys Ala Gln Leu Thr Val Thr Gly Gly Thr Gly Thr Leu			
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aac acg ggc gag ctc gcc ttc ccc ggc gcc tac agc gcc acc gac			624
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ccg ggc atc ctc ttc cag ctg tac tgg ccc atc ccg acc agc tac acc			672
Pro Gly Ile Leu Phe Gln Leu Tyr Trp Pro Ile Pro Thr Ser Tyr Thr			
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Gly Thr Pro Ala Pro Gln Ile Ala Thr Val Gln Ala Gly Gly Thr Val
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Tyr Met Ala Lys Ala Pro Ser Gly Gln Thr Ala Ala Thr Phe Gln Gly
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Gly Thr Ser Asn Ile Thr Trp Pro Ser Ser Gly Lys Thr Glu Val Ser
115 120 125

Val Lys Ile Pro Ser Cys Ile Ala Pro Gly Asp Tyr Leu Leu Arg Val
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Ala Ile Phe Gln Arg Val Ser Val Asn Gly Val Asp Gln Gly Gln Leu
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aag ggc gtg cgg gct ccc tcg agc aac tac ccc att gag aac gtc aac      144
Lys Gly Val Arg Ala Pro Ser Ser Asn Tyr Pro Ile Glu Asn Val Asn
     20           25           30

cac ccc gac ttt gcc tgc aac acc aac atc cgg cac cgc gac ggc acc      192
His Pro Asp Phe Ala Cys Asn Thr Asn Ile Arg His Arg Asp Gly Thr
     35           40           45

gtc atc aag atc ccc gcc ggc acc gtc ggc gcc tgg tgg cag cac      240
Val Ile Lys Ile Pro Ala Gly Ala Thr Val Gly Ala Trp Trp Gln His
     50           55           60           65

gag atc ggc ggg ccc tcg ttc ccc ggt gat ccg gat aac ccg atc gct      288
Glu Ile Gly Gly Pro Ser Phe Pro Gly Asp Pro Asp Asn Pro Ile Ala
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gcc tcg cac aag ggc ccc atc caa gtc tat ctc gcc aag gtc gac aac      336
Ala Ser His Lys Gly Pro Ile Gln Val Tyr Leu Ala Lys Val Asp Asn
     85           90           95

gcc gct acc gcc tct ccc aac ggc ctg cgg tgg ttc aag att gcc gag      384
Ala Ala Thr Ala Ser Pro Asn Gly Leu Arg Trp Phe Lys Ile Ala Glu
    100          105          110

aag ggc ctg tcg ggc ggc gtc tgg gcc gtc gac gag atg atc cgc aac      432
Lys Gly Leu Ser Gly Gly Val Trp Ala Val Asp Glu Met Ile Arg Asn
    115          120          125

aac ggc tgg cac tac ttc acc atg ccg cag tgc atc gcg ccc ggc cac      480
Asn Gly Trp His Tyr Phe Thr Met Pro Gln Cys Ile Ala Pro Gly His
    130          135          140          145

tac ctg atg cgc gtc gag ctg ctg gcg ctg cac tcg gcc agc ttc ccc      528
Tyr Leu Met Arg Val Glu Leu Leu Ala Leu His Ser Ala Ser Phe Pro
    150          155          160

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tcg ggc aac ttc tcg ccc tcc gag acg gtc agc ttc ccc ggc gcc tac	624
Ser Gly Asn Phe Ser Pro Ser Glu Thr Val Ser Phe Pro Gly Ala Tyr	
180 185 190	
ccg gcc aac cac ccg ggt atc gtc gtc agc atc tac gac gcc cag ggt	672
Pro Ala Asn His Pro Gly Ile Val Val Ser Ile Tyr Asp Ala Gln Gly	
195 200 205	
aac gcc aac aac ggc ggg cgc gag tac cag atc ccc ggg ccg ccg	720
Asn Ala Asn Asn Gly Gly Arg Glu Tyr Gln Ile Pro Gly Pro Arg Pro	
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Ile Thr Cys Ser Gly Gly Ser Asn Asn Gly Gly Asn Asn Asn Asn	
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Gly Gly Gly Asn Asn Asn Gly Gly Gly Asn Asn Asn Gly Gly Gly	
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275 280 285	
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45

Val Ile Lys Ile Pro Ala Gly Ala Thr Val Gly Ala Trp Trp Gln His
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Glu Ile Gly Gly Pro Ser Phe Pro Gly Asp Pro Asp Asn Pro Ile Ala
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Ala Ser His Lys Gly Pro Ile Gln Val Tyr Leu Ala Lys Val Asp Asn
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Ala Ala Thr Ala Ser Pro Asn Gly Leu Arg Trp Phe Lys Ile Ala Glu
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Lys Gly Leu Ser Gly Gly Val Trp Ala Val Asp Glu Met Ile Arg Asn
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Asn Gly Trp His Tyr Phe Thr Met Pro Gln Cys Ile Ala Pro Gly His
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Tyr Leu Met Arg Val Glu Leu Leu Ala Leu His Ser Ala Ser Phe Pro
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Gly Gly Ala Gln Phe Tyr Met Glu Cys Ala Gln Ile Glu Val Thr Gly
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Pro Ala Asn His Pro Gly Ile Val Val Ser Ile Tyr Asp Ala Gln Gly
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Thr Ser Ala Val Ile Arg Gln Pro Leu Asn Asn Ser Pro Val Glu Asp
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Pro Ala Gly Gln Thr Ala Ala Ser Trp Asp Gly Ser Gly Ala Asn Trp
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agc ggc gag tac ctc ctc cgc atc gag cac atc ggt ctc cac gtc gcc Ser Gly Glu Tyr Leu Leu Arg Ile Glu His Ile Gly Leu His Val Ala 130 135 140	480
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ggg gga ggc aac cca ccc aag gtc tcc atc ccc gga tac gtc tcg Gly Gly Gly Asn Pro Pro Lys Val Ser Ile Pro Gly Tyr Val Ser 160 165 170	576
agg aac gac ccc ggt ctc acc gtc aac atc cac tgg ccc atc ccc acc Arg Asn Asp Pro Gly Leu Thr Val Asn Ile His Trp Pro Ile Pro Thr 175 180 185	624
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Asn Thr Leu Tyr His Pro Gly Pro Ala Ala Ile Tyr Leu Gly Gln Val

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70

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Pro Asp Gly Gln Ser Gln Leu Ser Thr Thr Ile Pro Ser Asn Thr Pro
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Ser Gly Glu Tyr Leu Leu Arg Ile Glu His Ile Gly Leu His Val Ala
130 135 140

Gly Ala Pro Gln Tyr Tyr Ile Ser Cys Ala Gln Ile Arg Val Asn Gly
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Gly Gly Gly Gly Asn Pro Pro Lys Val Ser Ile Pro Gly Tyr Val Ser
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